

**AMENDMENTS TO THE SPECIFICATION:**

Please replace the paragraph beginning on page 2, line 34, and ending on page 3, line 5, with the following paragraph:

As indicated above, use is made of first order thermal models to determine the temperature of electrical conductors, such as for instance the temperature in various parts of an induction motor. These principles are set out in a paper by S.E. Zocholl and Gabriel Benmouyal entitled "Using Thermal Limit Curves to Define Thermal Models for Induction Motors", *Proceedings of the 28<sup>th</sup> Annual Western Protective Relay Conference, Spokane, Washington, October 2001*. The first order thermal model for protection of a power line is expressed as first order differential equation: